

ASYNCHRONOUS COMPLETION NOTIFICATION FOR AN

RDMA SYSTEM

ABSTRACT OF THE INVENTION

A system and method of implementing asynchronous completion notification in an RDMA (remote data memory access) network interface card (RNIC). The method includes the steps of: storing a first CQE number of a most recent CQE placed into the CQ; storing a second CQE number of a most recent CQE retrieved from the CQ; issuing a request for completion notification; packaging the second CQE number with the request; and processing the request, wherein the processing step compares the first CQE number with the second CQE number to determine whether asynchronous completion notification should be immediately performed.